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CERTIFICATE OF MAILING  
37 C.F.R. §1.8

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June 11, 2001  
Date

Steven L. Highlander

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* Application of:

Robert Michael ROBERTS  
Jonathan Andrew GREEN and  
Sancai XIE

Group Art Unit: 1643

Examiner: L. Cook

Serial No.: 09/273,164

Atty. Dkt. No.: UVMO:003/HYL

Filed: March 19, 1999

For: COMPOSITIONS AND METHODS FOR  
EARLY PREGNANCY DIAGNOSIS

**DECLARATION OF R. MICHAEL ROBERTS UNDER 37 C.F.R. § 1.132**

Hon. Commissioner for Patents  
Washington, D.C. 20231

I, R. Michael Roberts, do declare that:

1. I am a United States citizen residing at 2213 Hominy Branch Court, Columbia, MO.
2. I currently hold the position of Curators' Professor at the University of Missouri (Columbia).
3. I am the R. Michael Roberts listed as an inventor for the above-captioned application.
4. I am the R. Michael Roberts listed as an author on Xie *et al.*, 93:693-704 (1997).

5. James Bixby, Bozena Szafranska, James DeMartini and Steven Hecht are listed as authors of the Xie *et al.* paper but are not inventors on the instant application.
6. The contribution of these individuals to the research discussed in the Xie *et al.* paper is as follows. \_\_\_\_\_

**Bixby, James.** Bixby is my research technician. His contribution was in the alignments of the sequences for the figures.

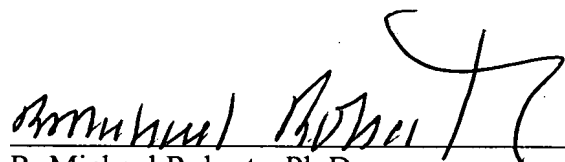
**Szafranska, Bozena.** She was a visiting scientist from Poland learning techniques in molecular biology. Her contribution was in helping sequence some porcine cDNA clones which were included in Fig. 8. She did not contribute to the boPAG work, nor to the writing of the paper. Her efforts were quite minor.

**DeMartini, James, and Hecht, Steven.** James DeMartini supplied the "zoo blots" for Figure 6 of the paper. The DNA for these blots had been prepared by Hecht while he was in Martini's laboratory. I had noted a publication where these same blots had been used to identify integrated retroviruses and requested their use. DeMartini obligingly sent the material to me. Both authors were included as a courtesy to their efforts in preparing the restriction digested DNA on the blots we used to assess the distribution of PAG genes in *Artiodactyla*. Although I sent a copy of the manuscript to them prior to its submission, neither made any intellectual contribution to the paper.

conceptual contribution to the subject matter of that paper, and now claimed herein.

8. I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

5/30/01  
\_\_\_\_\_  
Date

  
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R. Michael Roberts, Ph.D.